DoD Workshop on M&S for Logistics and Sustainment Overview

Randy Fowler
Assistant Deputy Under Secretary of Defense
(Materiel Readiness)

Why are you here?

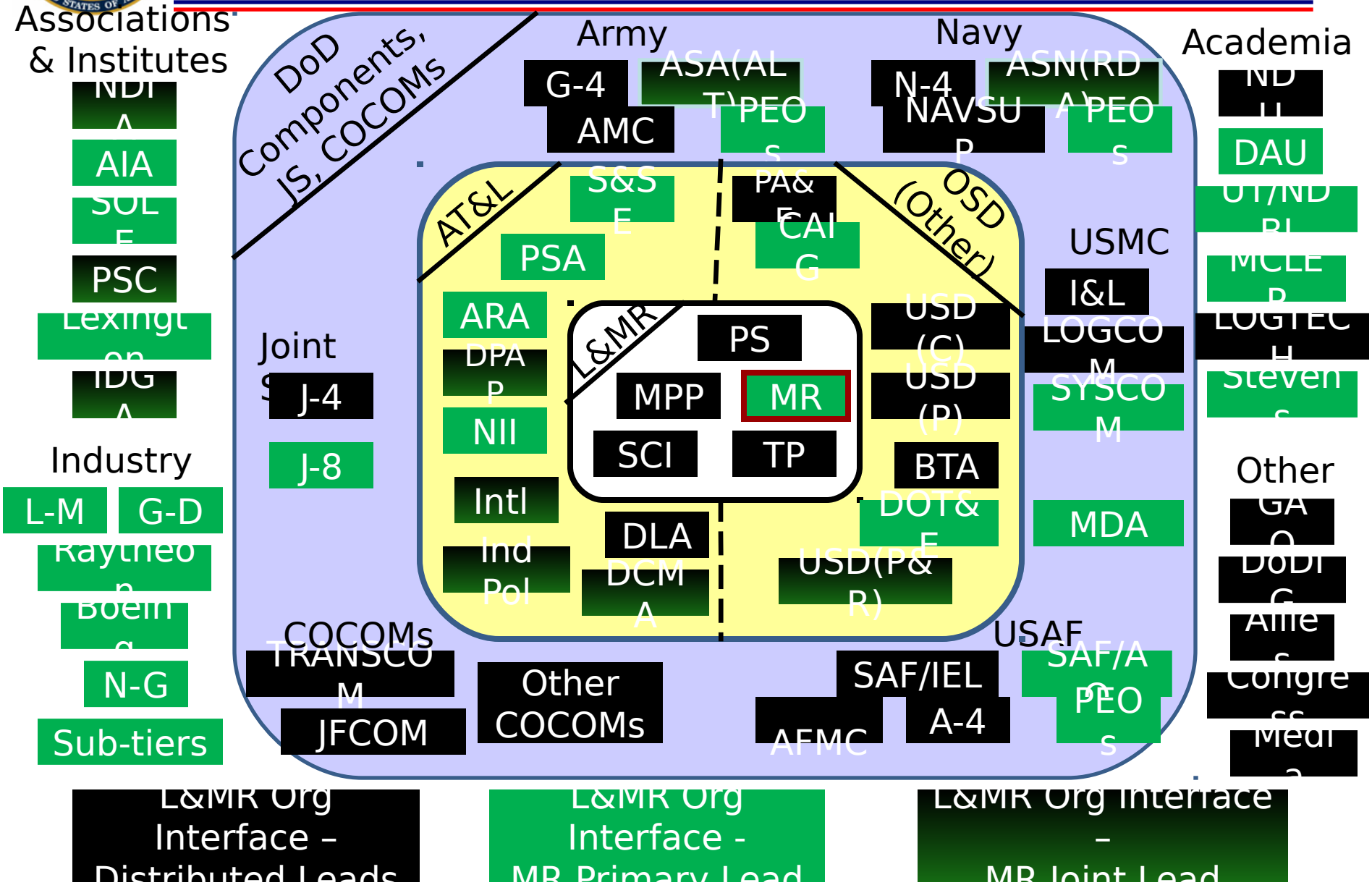
Possible Responses:

- “The coffee & donuts and to skip work”
- “My boss told me to”
- “DAU is a closer commute”
- “Make contacts to find a new job”
- “Keep a watchful eye on OSD”
- “Keep quiet, listen to the proceedings, and learn”
- “Find out what other organizations are doing”
- “Voice my gripes about one of the topics”
- “Participate in setting a course for this area”

OADUSD(MR) Mission Statement

OADUSD(MR) advises and assists the Deputy Under Secretary of Defense for Logistics & Materiel Readiness in establishing policies, procedures and implementing *actions to integrate acquisition and sustainment processes into a Life Cycle Management framework* to optimize weapon system Materiel Readiness.

Life Cycle Sustainment Advocacy



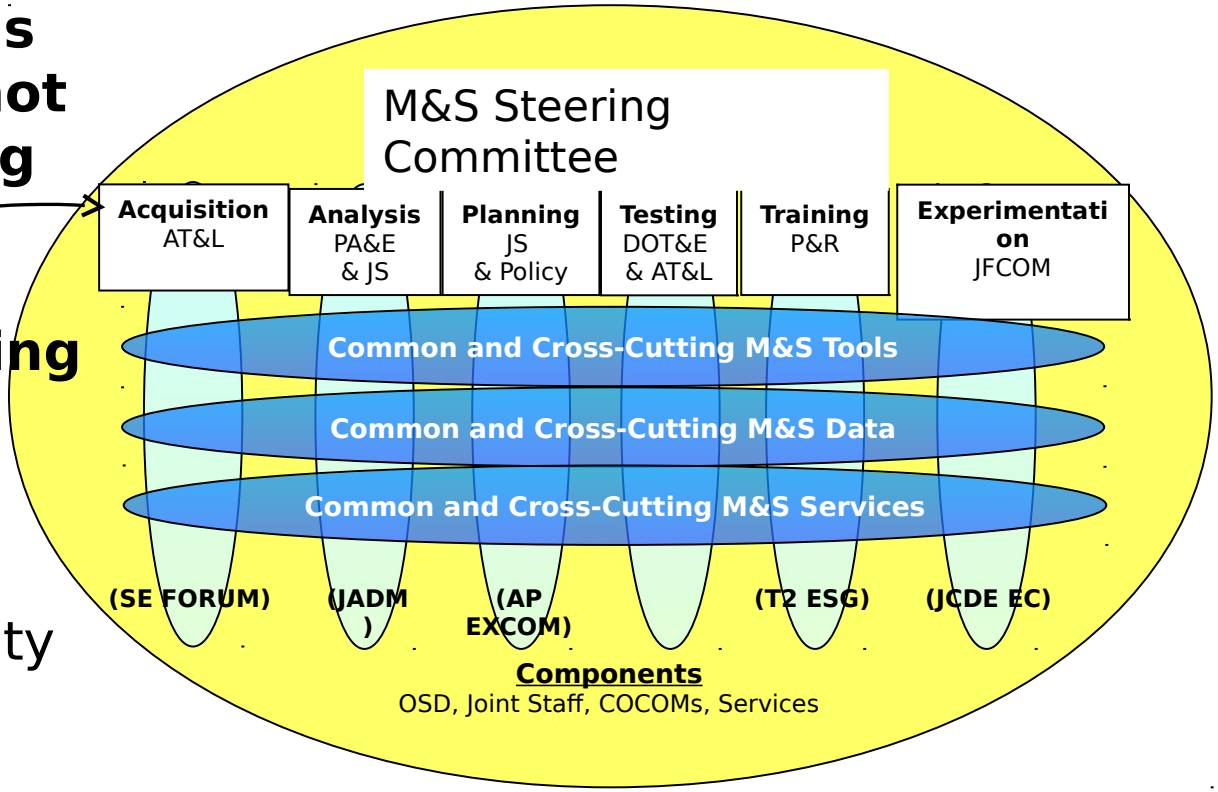
What is M&S for Logistics and Sustainment?

- *Depends on your perspective:*
- *Logistics analyst* – M&S to analyze the logistics services, supply, and transportation to support permanently based and deployed forces
- *Acquisition program analyst* – M&S to support the design and preparation of a system for transition into its O&S phase
- *Operational analyst* – M&S of the logistics tail in a mission or campaign simulation to include assessing whether operations can be sustained until the objectives are met

Logistics in the DoD M&S Management Structure

Logistics and Sustainment M&S cross-cuts the communities

- **Adding a logistics community will not help cross-cutting issues**
- **Currently engaging through Acquisition Community**
  - Active community
  - Feeds other communities
  - MR charter is logistics in



What are we here to accomplish?

- Discuss Logistics and Sustainment issues, needs, and requirements for M&S resources
- Identify top issues in the focus areas of
  - Management Structure
  - Tools and Resources
  - VV&A and Governance
  - Communication and Training
- Broaden our understanding in M&S
- Develop contacts and engage

Some Questions to Consider

- **Management Structure**
  - Are we engaging it properly?
  - How does each service approach it?
- **Tools and Resources**
  - Do the right tools exist?
  - Can we find, access, and obtain those tools?
  - Is the right expertise available?
- **VV&A and Governance**
  - How is VV&A used in the various logistics M&S areas?
  - Is prior VV&A documentation and information available?
  - Are there other issues beyond VV&A to govern what is acceptable M&S?
- **Communication and Training**
  - Do we have active formal and informal communities?
  - What mechanisms exist to facilitate information cross-flow?
  - Where do we go for M&S training and does it address what we need?

Expectations for the Workshop Product

- Help me decide what to tackle next in M&S
- Help in your own prioritization of activities
- Give those involved in M&S management a synopsis of the top issues for logistics and sustainment M&S

M&S and Sustainment Metrics

- Mandatory sustainment KPP for new programs at MS B
- For post-MS B programs, identify other sustainment metrics

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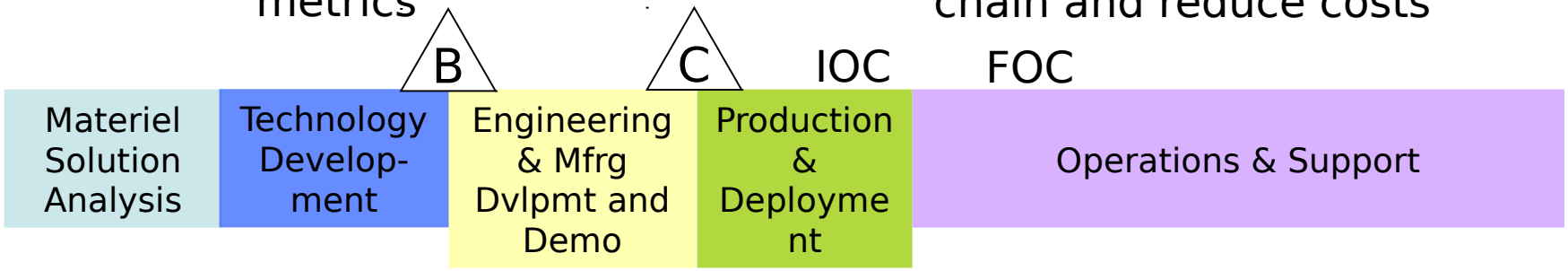
What does this mean for M&S?

More of this

Reliance on M&S for acquisition sustainment metrics

Earlier visibility of this

Reliance on M&S to optimize the logistics chain and reduce costs



AT&L Policy Memo on LCM

- Reinforced life cycle sustainment metrics (materiel availability, reliability, ownership cost)
- Required tracking performance of metrics throughout life cycle
- **Required programs to use predictive M&S tools to assess life cycle sustainment metrics**
- **Required review of M&S tools**
  - Military Departments reported on existing tools for assessing life cycle sustainment metrics
  - L&MR reviewed the information to identify gaps in the toolset

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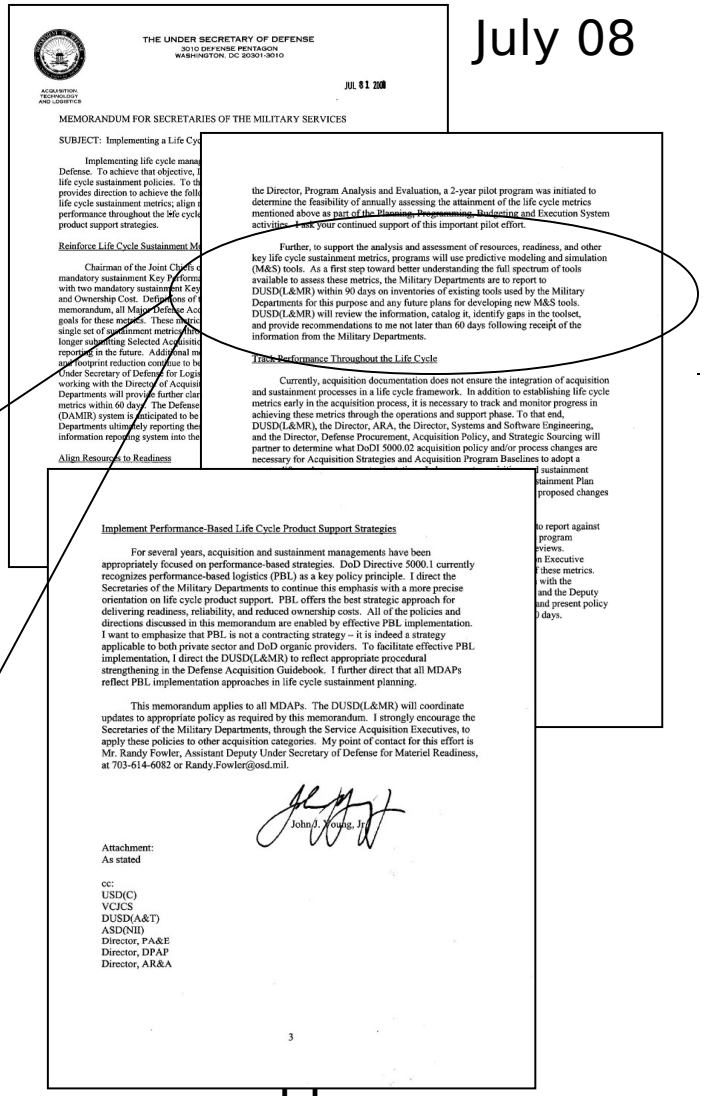

THE UNDER SECRETARY OF DEFENSE
3010 DEFENSE PENTAGON
WASHINGTON, DC 20301-3010

ACQUISITION, TECHNOLOGY AND LOGISTICS

JUL 31 2008

MEMORANDUM FOR SECRETARIES OF THE MILITARY SERVICES

SUBJECT: Implementing a Life Cyc

Implementing life cycle mana
Defense. To achieve that objective,
life cycle sustainment policies. To th
provides direction to achieve the follo
life cycle sustainment metrics; align
performance throughout the life cycle
product support strategies.

Reinforce Life Cycle Sustainment M

Chairman of the Joint Chiefs
mandatory sustainment Key Performa
with two mandatory sustainment Key
and Ownership Cost. Definitions of
memorandum, all Major Defense Acq
goals for these metrics. These metric
single set of sustainment metrics (K
longer submitting Selected Acquisiti
reporting in the future. Additional m
and footprint reduction continue to b
Under Secretary of Defense for Logis
working with the Director of Acquisi
Departments will provide further clar
metrics within 60 days. The Defense
(DAMIR) system is anticipated to be
Departments ultimately reporting thei
information reporting system into the

Align Resources to Readiness

the Director, Program Analysis and Evaluation, a 2-year pilot program was initiated to determine the feasibility of annually assessing the attainment of the life cycle metrics mentioned above as part of the Planning, Programming, Budgeting and Execution System activities. I ask your continued support of this important pilot effort.

Further, to support the analysis and assessment of resources, readiness, and other key life cycle sustainment metrics, programs will use predictive modeling and simulation (M&S) tools. As a first step toward better understanding the full spectrum of tools available to assess these metrics, the Military Departments are to report to DUSD(L&MR) within 90 days on inventories of existing tools used by the Military Departments for this purpose and any future plans for developing new M&S tools. DUSD(L&MR) will review the information, catalog it, identify gaps in the toolset, and provide recommendations to me not later than 60 days following receipt of the information from the Military Departments.

Track Performance Throughout the Life Cycle

Currently, acquisition documentation does not ensure the integration of acquisition and sustainment processes in a life cycle framework. In addition to establishing life cycle metrics early in the acquisition process, it is necessary to track and monitor progress in achieving these metrics through the operations and support phase. To that end, DUSD(L&MR), the Director, ARA, the Director, Systems and Software Engineering, and the Director, Defense Procurement, Acquisition Policy, and Strategic Sourcing will partner to determine what DoDI 5000.02 acquisition policy and/or process changes are necessary for Acquisition Strategies and Acquisition Program Baselines to adopt a sustainment ... stainment Plan ... proposed changes ... to report against ... program ... eviews. ... n Executive ... these metrics. ... with the ... and the Deputy ... and present policy ... days.

Implement Performance-Based Life Cycle Product Support Strategies

For several years, acquisition and sustainment managements have been appropriately focused on performance-based strategies. DoD Directive 5000.1 currently recognizes performance-based logistics (PBL) as a key policy principle. I direct the Secretaries of the Military Departments to continue this emphasis with a more precise orientation on life cycle product support. PBL offers the best strategic approach for delivering readiness, reliability, and reduced ownership costs. All of the policies and directions discussed in this memorandum are enabled by effective PBL implementation. I want to emphasize that PBL is not a contracting strategy – it is indeed a strategy applicable to both private sector and DoD organic providers. To facilitate effective PBL implementation, I direct the DUSD(L&MR) to reflect appropriate procedural strengthening in the Defense Acquisition Guidebook. I further direct that all MDAPs reflect PBL implementation approaches in life cycle sustainment planning.

This memorandum applies to all MDAPs. The DUSD(L&MR) will coordinate updates to appropriate policy as required by this memorandum. I strongly encourage the Secretaries of the Military Departments, through the Service Acquisition Executives, to apply these policies to other acquisition categories. My point of contact for this effort is Mr. Randy Fowler, Assistant Deputy Under Secretary of Defense for Materiel Readiness, at 703-614-6082 or Randy.Fowler@osd.mil.

John J. Young, Jr.

Attachment:
As stated

cc:
USD(C)
VCJCS
DUSD(A&T)
ASD(NII)
Director, PA&E
Director, DPAP
Director, AR&A

3

Review Approach

- **Each military department issued a call for information (name of tool, purpose, functional description, POC)**
- **L&MR categorized all tools for top-level summary information**
  - Life Cycle Sustainment Metrics
    - Materiel Availability
    - Reliability
    - Ownership Cost
  - Logistics elements
    - Maintenance Planning
    - Supply Support
    - Training & Training Support
    - Computer Resources Support
    - Facilities

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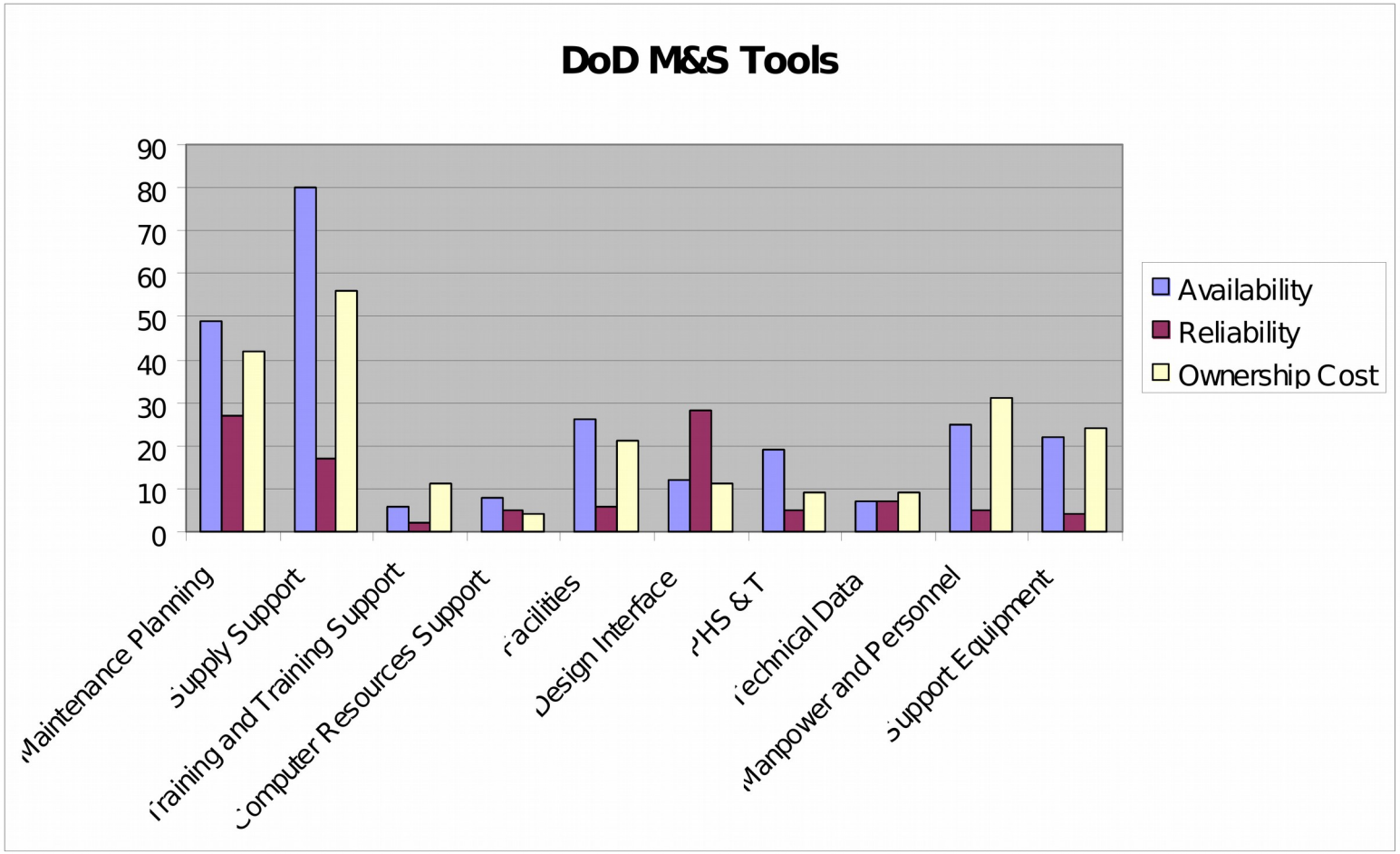
- Downtime
- Other

- Design Interface
- PHS&T
- Technical Data
- Manpower & Personnel
- Support Equipment

Logistics Elements Metrics Comparison



Concluding Thoughts

- Need your expertise and leadership
- Your perspective is to be shared
- Consider the perspective of others
- Ask Questions

With That …

… any Questions?